



Evaluation #

New Product # 20089006
Replaces Product # 200806-A

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2658
Madison, WI 53701-2658

Wisconsin Building Products Evaluation

Material

4-Unit, 2-Story + Loft Apartment
Module Egress Layout

Manufacturer

TDI Associates Inc.
N8 W22350 Johnson Dr., Suite B-4
Waukesha, WI 53186

SCOPE OF EVALUATION

The 4-unit, 2-story plus a loft apartment module, has been evaluated for compliance with certain egress requirements of the current **Wisconsin Commercial Building Code (WCBC), Chapters Comm 61-65**. Pursuant to **s. Comm 61.60 (2)**, the 4-unit, 2-story plus a loft apartment module egress layout is approved for use in the State of Wisconsin to satisfy intent and the following egress provisions:

- **IBC 1019.1, Table 1019.2**

This evaluation does not include the review for compliance to provisions of the current **Wisconsin Commercial Building Code (WCBC)**, other than those specifically referenced above.

The use of this 4-unit, 2-story plus a loft apartment module is subject to the limitations and conditions described in this evaluation.

DESCRIPTION AND USE

Class of Construction is Type VA, and the 4-unit, 2-story plus a loft apartment module is not sprinklered.

The apartment module accommodates four dwelling units. Two dwelling units are located on the ground level and comply with IBC egress provisions. The two dwellings units with lofts are located on the second story, and are served by a single enclosed, one-hour rated stairway that leads to the exterior. The egress travel distance is 59'- 0" from the farthest corner of the apartment to the exit enclosure on the second floor. **IBC s. 1019** would limit the egress distance to 50'- 0" in such a situation.

The living rooms of the dwelling units are directly served by an emergency escape and rescue opening. The emergency escape and rescue opening is afforded by the use of a 6-foot sliding glass door frame-opening. The SBD-5863 (R. 10/00)

emergency escape and rescue opening from the second-story living room leads to an exterior deck (minimum 78 square feet in area), located no more than 10 feet above grade maximum.

Additional fire-resistive rating is provided at the 90 minute fire partition wall that separates the dwelling units.

The apartment module has no basement.

LIMITATIONS/CONDITIONS

When this 4-unit, 2-story plus a loft apartment module egress layout is utilized, building plans shall be submitted for review in accordance with **ss. Comm 61.30** and **61.31**.

The Wisconsin Building Product Evaluation number and a copy of this building product evaluation approval is to accompany each plan submittal for projects that utilizes this 4-unit, 2-story plus a loft apartment module egress layout.

For fire department rescue ladder positioning, each rescue platform shall have at least a 3 foot length within 10 feet of a grade which slopes not more than 1:8 extending from the outside edge of the platform to a point at least 4-1/2 feet from and perpendicular to the edge of the platform served.

Fire department access to the rescue platform shall be provided in accordance with **s. Comm 14.001** and the applicable fire code adopted by the municipality.

Deviations from how egress is provided from the dwelling units as depicted on the enclosed plans shall void the use of this product approval.

Pursuant to **s. Comm 61.60(4)(e)2**, the department may reexamine an approval and issue a revised approval at any time.

This approval will be valid through December 31, 2013, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The product approval is applicable to projects approved under the current edition of the applicable codes. This approval may be void for project approvals made under future applicable editions. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: May 15, 2008 By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau